

20010701.ba v03\_n182.bam.20010701

>From ???@??? Sun Jul 1 00:00:59 2001 -0500  
Message-Id: <200107010500.f6150o48011370@sco.theporch.com>  
Date: Sun, 1 Jul 2001 00:00:10 CDT  
From: Old Tube Radios <boatanchors@theporch.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: BOATANCHORS digest 3182

BOATANCHORS Digest 3182

Topics covered in this issue include:

- 1) Re: I-177 TUBE TESTER METERS  
by Henry van Cleef <vancleef@eskimo.com>
- 2) Re: I-177 TUBE TESTER METERS  
by Arden Allen <gumbear@pacbell.net>
- 3) Anyone own a RCA ACR 136?  
by john <johnmb@mindspring.com>
- 4) Need AGC coil Z-503 for R-390 (non A)  
by Gerald Morris <k6qy@mindspring.com>
- 5) NMC Key Down on 518kc  
by "Dick Dillman" <ddillman@igc.org>
- 6) Re: SRR-11A  
by Ed Zeranski <ezeran@concentric.net>
- 7) Re: WE (KS type) xfmr needing ident. ?  
by "Hue Miller" <kargokult@proaxis.com>
- 8) Re: Remler info?  
by "Hue Miller" <kargokult@proaxis.com>
- 9) FT Collins RT-18/ARC-1  
by Dan Osborne <wb5afy@wb5afy.net>
- 10) Re: Remler info?  
by "ed sharpe" <esharpe@uswest.net>
- 11) Need Help - Breting 12 Receiver  
by David Hollander <n7rk@dancris.com>
- 12) Re: Remler info?  
by Bob Roehrig <broehrig@aurora.edu>
- 13) Re: Need Help - Breting 12 Receiver  
by Bob Roehrig <broehrig@aurora.edu>
- 14) Breting 12 Receiver - Problem Fixed!  
by David Hollander <n7rk@dancris.com>
- 15) Re: Remler info?  
by "Ed Sharpe" <esharpe@uswest.net>

---

From: Henry van Cleef <vancleef@eskimo.com>  
Message-Id: <200106300112.SAA19166@eskimo.com>  
Subject: Re: I-177 TUBE TESTER METERS

To: Old Tube Radios <boatanchors@theporch.com>  
Date: Fri, 29 Jun 2001 19:12:08 -0600 (MDT)  
Cc: boatanchors@theporch.com (Old Tube Radios)  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

The esteemed JOHN.SEHRING@ecunet.org has said:

>  
> To: boatanchors@theporch.com  
>  
> I've been seeing the thread on I-177 tube testers (& other metered  
> equipment) banging needles.  
>  
> I almost destroyed a meter in a Sprague cap checker, they're unobtainium.  
>  
> I highly recommend putting some diodes across the meter movement, a pair,  
> one in each direction. I leave it up to you (homework!) to figure out what  
> kind of diodes, Si or Ge, or Zener to use so as not to spoil calibration.  
>

My standard practice is to hang 1N4005 diodes (one in each direction)  
across the meter movement. Most of these meters (tube testers,  
S-meters, and 99% of anything else) have around 200 mv. across the  
terminals at full scale. The rectifier diodes don't start conducting  
until around twice that. Meters will handle a 2X overload without  
much trouble, and use of 1 amp rectifier diodes means that you can  
shunt a major fault reliably. 1N4001's are fine for this---I use  
4005's because I bought a lifetime supply of them a while back.

--  
Hank van Cleef  
1986 420SEL

-----  
Date: Fri, 29 Jun 2001 18:16:37 -0700  
From: Arden Allen <gumbear@pacbell.net>  
Subject: Re: I-177 TUBE TESTER METERS  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-id: <0GFP00GGCY77ER@mta7.pltn13.pbi.net>  
MIME-version: 1.0  
Content-type: text/plain; charset=ISO-8859-1  
Content-transfer-encoding: 7bit

Hi John;

In the Navy it was common knowledge that you weren't s'posed to beat your  
meter. We had a whole drawer full of Simpson 260's with cork screwed  
needles (not to mention the busted cases) in the avionics shop I worked in.

The first time I opened the drawer I made an oath in the name of Henry (or one of those fellas) to never let it happen to me. When someone shows me a 260 even to this day I recoil in horror. Nope, messing up a meter is no way to please the gods. Nowadays we have drawers full of DVM's that simply blink at you mindlessly and can't measure diddly. Oh well, things change only to stay the same.....

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

-----  
Message-Id: <3.0.3.32.20010629212941.0105a3cc@mindspring.com>  
Date: Fri, 29 Jun 2001 21:29:41 -0400  
To: Old Tube Radios <boatanchors@theporch.com>  
From: john <johnmb@mindspring.com>  
Subject: Anyone own a RCA ACR 136?  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Would like to know what the original knobs look like ....

Thanks!  
John

-----  
Message-Id: <3.0.1.32.20010629185425.00725020@pop.mindspring.com>  
Date: Fri, 29 Jun 2001 18:54:25 -0700  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Gerald Morris <k6qy@mindspring.com>  
Subject: Need AGC coil Z-503 for R-390 (non A)  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Z503 on my R-390 is open leaving me with little or no AGC action. Any help would be appreciated.

73 Gerald K6QY

-----  
From: "Dick Dillman" <ddillman@igc.org>  
To: Old Tube Radios <boatanchors@theporch.com>  
Date: Fri, 29 Jun 2001 18:56:14 -0700  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Subject: NMC Key Down on 518kc  
Message-ID: <3B3CCF4E.12682.260339@localhost>

I recently installed a Furuno dedicated NAVTEX receiver at work which seemed to be working fine (NAVTEX operates on 518kHz and sends marine information broadcasts in FEC). NMC is just north of me here in San Francisco so naturally it's their signal I copy.

However after the 1300 PDT broadcast the NMC carrier seemed to stay on the air. The 1700 PDT broadcast was late but it eventually came through. Yet the carrier was still there. It's hard to monitor off the air with the Furuno so when I got home I tuned the Collins 51J-4 to 518kHz. The signal was there. 518kHz is right at the low end of the coverage range of the 51J-4 so for confirmation I switched on a real boatanchor, the RCA RBA receiver that had not been powered up in years. It came up no sweat and sure enough there it was, a big carrier standing tall on 518kHz.

At this point I felt sure enough of my observations to call NMC. The Coastie who answered understood what I was talking about and said something about work having been done on the MF transmitter earlier in the day. I asked if he had a receiver handy to tune down to 518kHz to confirm my observations. He said he would and put me on hold. While he was gone bip! the carrier disappeared. When he came back on the phone he sheepishly reported that the technician had inadvertently left a patch installed and yes, the transmitter had been key down at full power for at least five hours. He thanked me for my report and rang off.

I guess the transmitter passed it's 100% duty cycle test but it makes you wonder if they know what they're doing up there, especially after the incident of yesterday evening in which NMC stepped all over a rescue operation in Alaska on 5696kHz while announcing they were transmitting on 2182kHz.

Regards,

Dick

Dick Dillman, W6AWO  
Member of the Maritime Radio Historical Society  
<http://www.radiomarine.org>  
Collector of Heavy Metal:  
Harleys, Willys and Radios over 100lbs.

-----  
Message-Id: <4.2.0.58.20010629204800.009ca5b0@pop3.concentric.net>

Date: Fri, 29 Jun 2001 20:54:48 -0700  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Ed Zeranski <ezeran@concentric.net>  
Subject: Re: SRR-11A  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

>..... An RBA (which is a TRF set), although over twice the volume and  
>requiring an external supply, works as well, and you can work on it. :-)  
>It also goes down to 11 or 12 KC if you are into real VLF.

>  
>>I would suggest you find an older receiver, such as an RBA, RAK, RBL (WW2)

>  
>.....

>73,  
>Robert W. Downs  
><rwdowns\_wa5cab@compuserve.com>  
>Houston, TX/Bayou LaBatre, AL

Yep! The RBA/RBB/RBC and RAK/RAL are like working one of my old trucks. You can sit on the radiator, put a foot on either side of the engine, then go to work. My SRR-11/12/13 experience was limited to the early-mid '60s when they were being phased out but they were a pain at times. RBLs have been very evident lately on epay and RAKs are usually pretty inexpensive. Probably have an extra myself 8^)

-----  
Message-ID: <016a01c10114\$47d1f3c0\$3dfd91c6@oemcomputer>  
From: "Hue Miller" <kargokult@proaxis.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: WE (KS type) xfmr needing ident. ?  
Date: Fri, 29 Jun 2001 20:25:13 -0700  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Someone had a KS standard transformer and was requesting information? I have found my Bell book which lists these parts and will try to identify the part# you give me.  
H Miller

-----  
Message-ID: <011b01c10111\$804100a0\$3dfd91c6@oemcomputer>  
From: "Hue Miller" <kargokult@proaxis.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Remler info?  
Date: Fri, 29 Jun 2001 20:05:12 -0700

MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: Tom R. Rice <tomrrice@earthlink.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: <boatanchors@theporch.com>  
Sent: Tuesday, April 10, 2001 10:10 AM  
Subject: Remler info?

>  
> I've acquired two old-timey devices made by Remler, a name which  
I've not  
> heard before. Any info about them and their products would be  
appreciated.

Remler made much, or even maybe all, of the "Battle Announcing  
Equipment"  
on WW2 USN warships and USA troop ships. This term actually means  
"PA" equipment. This was big racks full of tubes and transformers,  
sometimes  
25L6 tubes paralleled and stacked for AC/DC supplies, and sometimes  
813 tubes powered by motor-generators. The reason i know this is that  
years back i acquired a number of the manuals for that equipment.  
H Miller

-----  
Date: Sat, 30 Jun 2001 12:14:35 -0500  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Dan Osborne <wb5afy@wb5afy.net>  
Subject: FT Collins RT-18/ARC-1  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Message-ID: <76830FC0258@tcs003.wb5afy.net>

I have a very clean Collins ARC-1 complete with dynamotor,  
shockmount, and two new mating power and control plugs.  
I do NOT have a control box or manual.

This would make a nice piece for someone's collection.

Digital pix available if requested.

Interesting trades only considered....(this will NOT go bayside!)

Can deliver in the DFW area.

Dan L Osborne WB5AFY  
MCNE/MCSE  
wb5afy@wb5afy.net  
972-714-1155 (Work)

-----

Date: Sat, 30 Jun 2001 10:28:27 -0700  
Message-ID: <000e01c1018a\$13069e40\$02000000a@frontdesk1>  
From: "ed sharpe" <esharpe@uswest.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Remler info?  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Let us not foget some of the great western electric sound stuff that was  
used during the war as well!  
In the museum we have a we beachmaster sound system!

also remeler was very very famous in the 20's building radios and  
components.

ed sharpe archvisit for smecc  
----- Original Message -----  
From: "Hue Miller" <kargokult@proaxis.com>  
To: "Old Tube Radios" <boatanchors@theporch.com>  
Sent: Friday, June 29, 2001 8:05 PM  
Subject: Re: Remler info?

>  
>  
> ----- Original Message -----  
> From: Tom R. Rice <tomrrice@earthlink.net>  
> To: Old Tube Radios <boatanchors@theporch.com>  
> Cc: <boatanchors@theporch.com>  
> Sent: Tuesday, April 10, 2001 10:10 AM  
> Subject: Remler info?  
>  
>  
> >  
> > I've acquired two old-timey devices made by Remler, a name which  
> I've not  
> > heard before. Any info about them and their products would be

> appreciated.  
>  
> Remler made much, or even maybe all, of the "Battle Announcing  
> Equipment"  
> on WW2 USN warships and USA troop ships. This term actually means  
> "PA" equipment. This was big racks full of tubes and transformers,  
> sometimes  
> 25L6 tubes paralleled and stacked for AC/DC supplies, and sometimes  
> 813 tubes powered by motor-generators. The reason i know this is that  
> years back i acquired a number of the manuals for that equipment.  
> H Miller  
>  
>

-----  
Message-ID: <3B3E0F7C.FC846491@dancris.com>  
Date: Sat, 30 Jun 2001 17:42:19 +0000  
From: David Hollander <n7rk@dancris.com>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Need Help - Breting 12 Receiver  
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-creator="4D4F5353"  
Content-Transfer-Encoding: 7bit

Finished recapping my Breting 12 receiver and it plays great on AM. With the 10 inch electrodynamic speaker, it sounds better than my SX-28...really! This is a 12 tube radio with a chrome chassis from around 1935 covering 550 to 30 MHz

The problem is the BFO. When it is switched on, it works but there is a loud hum and the signals sound like a raw ac note. The paper caps were replaced - the mica's are original.

Here is the schematic if it might help anyone with giving me suggestions. It is in two pieces for better resolution.

[http://www.dancris.com/~n7rk/breting12\\_1.JPG](http://www.dancris.com/~n7rk/breting12_1.JPG)

[http://www.dancris.com/~n7rk/breting12\\_2.JPG](http://www.dancris.com/~n7rk/breting12_2.JPG)

Any suggestions would be greatly appreciated.

If anyone has a Breting 12 or any of the other Breting receivers, I would be interested in their comments as to performance. problems, etc.

Thanks and 73,



Dave N7RK

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Dave N7RK - Webmaster CADXA <http://cadxa.org>

Phoenix, Arizona \*DXCC Honor Roll\* \*WAZ#23 - 75 Meter SSB\*

ex-XE2/N7RK, N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK, WN6IWX

Boatanchor Collector Extraordinaire preferring Hallicrafters, National  
and what ever else looks interesting!

E-Mail: [n7rk@dancris.com](mailto:n7rk@dancris.com) Home Page:

<http://www.dancris.com/~n7rk>

-----  
Date: Sat, 30 Jun 2001 16:50:11 -0500 (CDT)

From: Bob Roehrig <[broehrig@aurora.edu](mailto:broehrig@aurora.edu)>

To: Old Tube Radios <[boatanchors@theporch.com](mailto:boatanchors@theporch.com)>

cc: Old Tube Radios <[boatanchors@theporch.com](mailto:boatanchors@theporch.com)>

Subject: Re: Remler info?

Message-ID: <Pine.OSF.4.31.0106301649060.17525-100000@students.aurora.edu>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 30 Jun 2001, ed sharpe wrote:

> Let us not foget some of the great western electric sound stuff that was  
> used during the war as well!

Also remember Tannoy. I believe they may be the oldest speaker mfr in  
business. I have a pair of their 15 inch coaxial speakers and they are  
great.

73 Bob Roehrig K9EUI  
Aurora University Telecom/IS dept.  
630-844-4898 [broehrig@aurora.edu](mailto:broehrig@aurora.edu)

-----  
Date: Sat, 30 Jun 2001 16:51:46 -0500 (CDT)

From: Bob Roehrig <[broehrig@aurora.edu](mailto:broehrig@aurora.edu)>

To: Old Tube Radios <[boatanchors@theporch.com](mailto:boatanchors@theporch.com)>

cc: Old Tube Radios <[boatanchors@theporch.com](mailto:boatanchors@theporch.com)>

Subject: Re: Need Help - Breting 12 Receiver

Message-ID: <Pine.OSF.4.31.0106301651061.17525-100000@students.aurora.edu>

MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 30 Jun 2001, David Hollander wrote:

> The problem is the BFO. When it is switched on, it works but there is a  
> loud hum and the signals sound like a raw ac note. The paper caps were  
> replaced - the mica's are original.

Sounds like maybe cathode to filament short.

73                    Bob Roehrig                    K9EUI  
Aurora University Telecom/IS dept.  
630-844-4898      broehrig@aurora.edu

-----  
Message-ID: <3B3E6F74.D9DFFBE4@dancris.com>  
Date: Sun, 01 Jul 2001 00:31:48 +0000  
From: David Hollander <n7rk@dancris.com>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Breting 12 Receiver - Problem Fixed!  
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-creator="4D4F5353"  
Content-Transfer-Encoding: 7bit

Well that was too easy!. It was indeed the BFO tube. Most of the replies suggested that the tube probably had a grid to cathode short. Replaced the 6D6 with another one and the problem went away and BFO works fine. The original tube did check out OK before I started but I probably neglected to do a "short" test. This radio turns off the avc when the BFO is turned on and the BFO on/off switch is on the back of the RF gain control which is only available with the BFO on - a quite different design than the Nationals and Hallicrafters of that era. Thanks to all for the many, many replies.

Only one replied that he had a broken Breting 12 but quite a few Breting 14 receivers. When this done I will put up some pictures of the project. All spoke very highly of the Breting receivers and based on the audio I have heard and some of the cosmetics, I can see why

To the people that told me they had Bretings and had questions, I'll get back to you individually tomorrow with replies.

Thanks again,

Dave N7RK

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Dave N7RK - Webmaster CADXA <http://cadxa.org>  
Phoenix, Arizona \*DXCC Honor Roll\* \*WAZ#23 - 75 Meter SSB\*

ex-XE2/N7RK, N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK, WN6IWX

Boatanchor Collector Extraordinaire preferring Hallicrafters, National  
and what ever else looks interesting!

E-Mail: [n7rk@dancris.com](mailto:n7rk@dancris.com) Home Page:  
<http://www.dancris.com/~n7rk>

-----  
Date: Sat, 30 Jun 2001 20:01:15 -0700  
Message-ID: <003101c101da\$1ee97840\$fdd4e13f@pavilion>  
From: "Ed Sharpe" <[esharpe@uswest.net](mailto:esharpe@uswest.net)>  
To: Old Tube Radios <[boatanchors@theporch.com](mailto:boatanchors@theporch.com)>  
Cc: "Old Tube Radios" <[boatanchors@theporch.com](mailto:boatanchors@theporch.com)>  
Subject: Re: Remler info?  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I am not sure of that..... Utah speaker corp. was in the 20's early on.....  
do not know if they re still in business though

----- Original Message -----

From: Bob Roehrig <[broehrig@aurora.edu](mailto:broehrig@aurora.edu)>  
To: Old Tube Radios <[boatanchors@theporch.com](mailto:boatanchors@theporch.com)>  
Cc: Old Tube Radios <[boatanchors@theporch.com](mailto:boatanchors@theporch.com)>  
Sent: Saturday, June 30, 2001 2:50 PM  
Subject: Re: Remler info?

> On Sat, 30 Jun 2001, ed sharpe wrote:

>

> > Let us not foget some of the great western electric sound stuff that  
was

> > used during the war as well!

>

> Also remember Tannoy. I believe they may be the oldest speaker mfr in  
> business. I have a pair of their 15 inch coaxial speakers and they are

> great.

>

>

>

>

>

> 73 Bob Roehrig K9EUI

> Aurora University Telecom/IS dept.

> 630-844-4898 broehrig@aurora.edu

>

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End of BOATANCHORS Digest 3182

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